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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,749	10/23/2003	CHUN-MING KUO		2748
38832	7590	06/02/2005	EXAMINER	
CHUN-MING KUO 2F-4, NO. 148, SEC. 4, CHUNG HSIAO E. ROAD TAIPEI, TAIWAN			GONZALEZ, JULIO C	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 06/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/605,749

Applicant(s)

KUO, CHUN-MING

Examiner

Julio C. Gonzalez

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Drawings

1. The drawings are objected to because the black/dark background of the drawings may be difficult to notice. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 5, 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wicks (US 4,680,478) in view of Ehni (US 3,382,671).

Wicks discloses a power generator system having a gas fuel pipeline in which fuel 10 is introduced, a solenoid 11 installed on the pipeline for controlling the closing and opening of the pipe (column 2, lines 67 – column 3, line 3; column 3, lines 20-25). Also, a generator set is disclosed having an engine 15, which is connected to a generator 17 (see figure 1).

However, Wicks does not disclose that the power is turned on when a main power failure occurs.

On the other hand, Ehni discloses for the purpose of protecting a turbine from overrunning, an emergency system, which functions when a main power source is cut off and the emergency system is turned off when the main power is turned back on (column 1, lines 10-19). Moreover, several modes of operation are disclosed, such as manual, automatic and semi-automatic (column 1, lines 44-46;

column 4, lines 24-42, column 6, lines 10-15; column 8, lines 47-75; column 10, lines 67-70; column 11, lines 1-10). Also, Ehni discloses that it is known to use timing circuits for activating and stopping an emergency system (column 4, lines 8-15, 56-75; column 5, lines 1, 2, 44-58; column 7, lines 15-28, 65-72; column 13, lines 24-47) and uses time relays (column 7, lines 49) and further uses a solenoid for cutting fuel (column 6, lines 9-11).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design a power system as disclosed by Wicks and to modify the invention by applying the power system to an emergency system by turning on the emergency system when the main power is cut off for the purpose of protecting a turbine from overrunning as disclosed by Ehni.

4. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wicks and Ehni as applied to claim 1 above, and further in view of Utamura (US 6,609,360).

The combined power system discloses all of the elements above. However, the combined power system does not disclose explicitly using liquefied natural gas.

On the other hand, Utamura discloses for the purpose of improving the thermal efficiency of turbines that a turbine system uses liquefied natural gas as fuel (column 15, lines 24, 25).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design the combined power system as disclosed above and to modify the invention by using natural gas for the purpose of improving the thermal efficiency of turbines as disclosed by Utamura.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wicks and Ehni as applied to claim 1 above, and further in view of Bernhard (US 3,577,034).

The combined power system discloses all of the elements above. However, the combined power system does not disclose explicitly using a timer relay for cutting on/off the emergency system.

On the other hand, Bernhard discloses for the purpose of realizing effectively the benefits of timing devices that a timing relay are used in events when main power failure occur (see abstract).

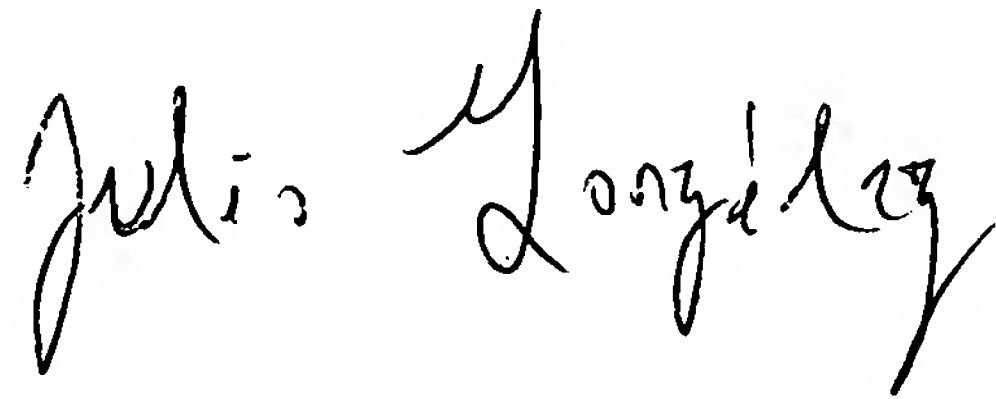
It would have been obvious to one having ordinary skill in the art at the time the invention was made to design the combined power system as disclosed above and to modify the invention by using explicitly timer relay for the purpose of realizing effectively the benefits of timing devices as disclosed by Bernhard.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio C. Gonzalez whose telephone number is 571-272-2024. The examiner can normally be reached on M-F (8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Julio C. Gonzalez
Examiner
Art Unit 2834

Jcg

May 26, 2005